MINISTRY FOR DEVELOPMENT

SARDI

RESTORATION AGENCY

RESULTS 2025

Structure

Ministry for Development of Communities and Territories of Ukraine

Project Management Unit

Centralized Procurement Organization

Restoration Agency

International Advisory Board

National Institute for Development Infrastructure

SJSC "Automobile Roads of Ukraine"

FININPRO

Roles of Restoration Agency

1. Center of expertise and assessment of restoration projects
2. Initiation of legislative changes and regulatory documents for faster, more transparent, and more effective recovery
3. Implementation of complex infrastructure projects

Centers of Expertise

5 Case Model methodology

- **Water Sector**
- **Road Infrastructure Sector**
- **Energy Sector**
- **Civil Construction**
- **Digitalization Sector**

DREAM

A strategic development plan for SJSC "Automobile Roads of Ukraine" has been prepared, including:

- analysis of revenue streams
- comprehensive review of asset base
- identification of problematic areas
- definition of strategic development priorities
- identification of key needs

Systemic transformation
Expected results:

2026: Profitable company
2028: Debts fully repaid
2029: Regular dividend payments to the state budget

Reorganization of SE "FININPRO" and SE "MAO"

- New unified SOE
- Centralized management of Ukraine's entire aviation infrastructure
- Ability to make fast decisions
- **Immediate priority:** resolution of SE "MAO" debts (prior to reorganization, the enterprise was in severe financial distress, lacked funds to maintain assets valued at over UAH 3 bn, and was unable to pursue claims against debtors)
- **Future objective:** development of the national aviation sector

EXPERTISE

Centers of Expertise

Five expert councils established under the National Institute for Development Infrastructure (SE NIDI), covering the water supply, road infrastructure, energy, civil construction, and digitalization sectors.

These expert councils operate under the five case model:

- project categorization by sector
- prioritization across key dimensions (strategic, economic, social, financial)
- appraisal (critical, short-term, medium-term, long-term)

PROCUREMENT

Centralized Procurement Organization

Established by Ukrainian Cabinet of Ministers decision dated 01 April 2025

- a foundation for a fair, internationally recognized procurement system for restoration processes
- dynamic framework procurement of goods and services
- expertise in public procurement
- EU standards
- minimization of corruption risks and optimization of costs
- opportunity for international partners to participate in tenders
- administration of Prozorro Market for conducting framework procurement for local self-government bodies, regional state administrations, and other entities

SUPPORT

International Advisory Board

- support from partners for the development of a restoration strategy by sector
- adaptation of best European practices and international experience for the Restoration Agency
- international communications
- support for the Agency in the introduction of international approaches and procedures for more successful, transparent, and effective implementation of restoration policy

IMPLEMENTATION

Project Management Unit

An advantage not only for international projects, but also for complex infrastructure projects.
A single contracting authority for the effective implementation of strategic infrastructure projects.

- Coordination
- Competence and risk minimization
- Standardization of approaches
- Speed of implementation
- Flexibility
- Systematic approach
- Investment attraction

Example:
Joint project with the EBRD Reconstruction of the M-01 highway

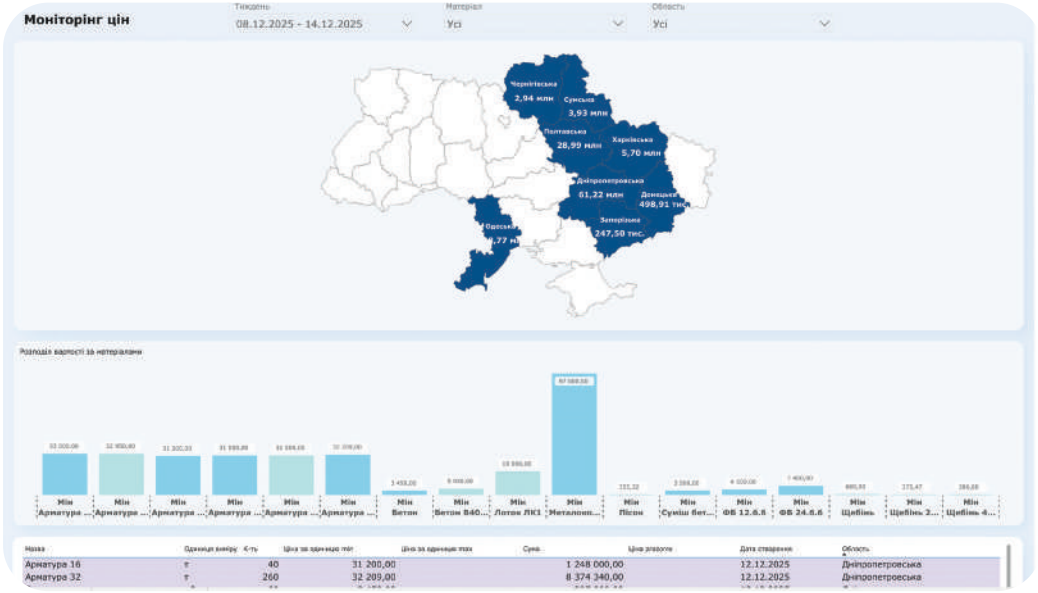
Savings: UAH 14 million

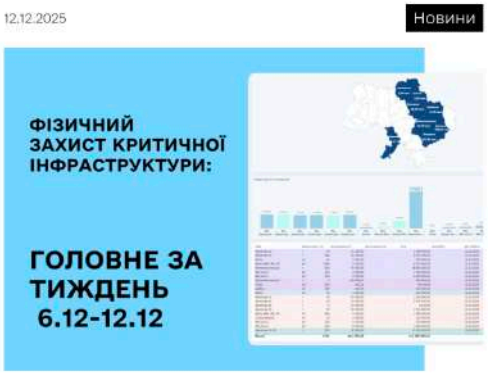
EU4Reconstruction
EUACI
Співфінансується Європейським Союзом
MINISTRY OF FOREIGN AFFAIRS OF DENMARK
співпраця з НІМЕЧЧИНОЮ
MINISTRY OF FOREIGN AFFAIRS REPUBLIC OF LITHUANIA
UNDP
unicef
European Bank for Reconstruction and Development
CPVA Central project management agency
THE WORLD BANK

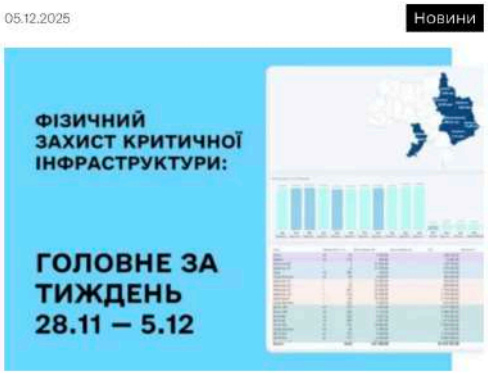
ANALYTICAL PRICE MONITORING DASHBOARD

A system for monitoring the procurement of construction materials for the construction of physical protection of critical infrastructure facilities:

- price analysis
- volume analysis
- weekly data updates







REDUCTION IN MATERIAL COSTS

Example: procurement of 32 mm reinforcing steel

Before: UAH 33,950 per linear meter
(excluding delivery)
After: UAH 32,209 per linear meter
(including delivery to the construction site)

Weekly digests – clear and accessible updates on the progress of engineering defense construction, with transparent coverage of procurement prices.

TRANSPARENT PRICING

A Resolution on Transparent Pricing has been developed.

A decision of the Ukrainian Cabinet of Ministers was adopted on 20 November 2025

BEFORE

Profit had previously ranged from 0 to 1%.
The result was unrealistic wages.
The only way to earn anything was to “add margins” to materials.

As a result, law enforcement agencies and investigators constantly recorded inflated prices.
The company always appeared to be at fault.
Under such conditions, businesses were not interested in operating, especially during wartime, amid risks and shelling.

Example: major renovation of a residential building.

COST ESTIMATE

Затверджено (схвалено)

Зведений кошторисний розрахунок в сумі 38907,344 тис. грн.
В тому числі зворотних сум 61,284 тис. грн.

(посилання на документ про затвердження)

“ ” 20 р.

ЗВЕДЕНИЙ КОШТОРИСНИЙ РОЗРАХУНОК ВАРТОСТІ ОБ'ЄКТА БУДІВНИЦТВА №

ESTIMATED PROFIT

		Разом по главі 10:	-	-	941,496	941,496
		Глава 12. Проектні, вишукувальні роботи, експертиза та авторський нагляд				
11	Настанова [4.34]	Вартість проектних робіт	-	-	410,574	410,574
12	Настанова [4.34]	Вартість експертизи проектної документації (К=1,1)	-	-	19,199	19,199
13	Настанова [4.35]	Кошти на здійснення авторського нагляду	-	-	12,460	12,460
		Разом по главі 12:	-	-	442,233	442,233
		Разом по главах 1-12:	28083,743	136,385	1383,729	29603,857
	Настанова [4.38]	**Кошторисний прибуток (П)**	509,189	-	-	509,189

THE COST ESTIMATE INCLUDES ONLY A 1.3% PROFIT MARGIN

WHAT IS CHANGING NOW

Transparent pricing. Alignment of material costs with actual market prices. Fair, market-based wages. Economically justified pricing of administrative services. Open and transparent procurement procedures. Enabling insurance coverage for personnel and specialized equipment.

Example: wage levels for general construction workers (rebar worker, concrete worker, installer)

Prior to the adoption of the Resolution, the estimated wage level was **UAH 18,500.**

Market wages, based on job vacancy data, start at **UAH 21,000.**

Following the adoption of the Resolution, the minimum wage for an average job grade of 3.8 in 2025, including paid leave, is set at **UAH 21,665**, bringing regulated wages in line with market benchmarks.

EUACI THE WORLD BANK

DIGITALIZATION AND ANTI-CORRUPTION ACTIVITIES

Implementation of anti-corruption plan produced by the European Bank for Reconstruction and Development (EBRD)

The Action Plan for Preventing Corruption and Promoting Transparent and Effective Governance in the Public Sector (Anti-Corruption Action Plan or ACAP) was approved by a High-Level Steering Committee for the implementation of the Memorandum of Understanding between the Government of Ukraine and the EBRD for the purpose of implementing a loan agreement for the "Development of the Trans-European Transport Network (Ukraine – Road Corridors)" dated 18 December 2020.

What was done in 2025?
In the course of implementing the EBRD Anti-Corruption Plan, the Restoration Agency continued to strengthen its anti-corruption compliance system.

In particular, a number of policies were developed, adopted, and implemented:

- On the prevention and management of conflicts of interest, both for employees of the Restoration Agency and for heads of the Regional Restoration Offices
- On the organization of control measures to ensure compliance with anti-corruption legislation in Regional Restoration Offices.

1. The risk register of the Restoration Agency's Anti-Corruption Program was reviewed and updated; measures are being carried out to monitor the implementation status of the anti-corruption programs of Regional Restoration Offices

2. A draft procedure for the selection of heads of Offices was developed to enhance the transparency of the selection process and strengthen partner trust

3. The compliance policies of the Restoration Agency were developed and presented and will be extended for implementation in Regional Restoration Offices

4. Ongoing monitoring measures are being carried out to ensure compliance of the activities of the Regional Restoration Offices in the area of public procurement

The Agency plans to develop an action plan for the control of the use of funds provided by international partners, both grant and loan funds, with the aim of minimizing corruption risks and strengthening partner trust in the activities of both the Agency and the Offices.

Integration with the DREAM platform for strategic planning

- Data automation: Two-way synchronization via API eliminates duplicate work and minimizes errors
- End-to-end monitoring: Tracking the project life cycle in real time — from concept to commissioning
- Data-driven decision-making: Use of ecosystem analytics to prioritize projects based on the real needs of communities
- Standardization: Implementation of unified description and reporting standards (OCDS) across all units

European Bank for Reconstruction and Development

EUACI

IMPLEMENTATION OF BIM-BASED DESIGN

- A project for the construction of social housing in the city of Obukhiv, Kyiv region
- A project for the reconstruction of the “Yahodyn–Dorohusk” border crossing point
- Construction of the Mykolaiv water pipeline: design was carried out using the BIM system

Plan for 2026 — transition to digital design.

Foreign, Commonwealth & Development Office

British Embassy Kyiv

Case: digital design

- Exclusively such design for all types of restoration works (SS3 – 2027, SS2 – 2028, SS1 – 2029)
- Higher project quality and market participants
- Ideal for reuse projects (quick adaptation to local changes, cost calculation and re-duction)
- Unified certified standards database (based on European standards)
- Ability to establish a state electronic expertise (reliable, transparent, with the in-volvement of artificial intelligence)
- Transparent, automated: all errors are visible
- Project quality mark (non-contestable)
- Approval at the state level
- Simplification and enhancement of project operation quality
- Photo and video documentation of restoration processes
- Fixed deadline for transition to digital design
- Electronic acts of construction works, contracts, and work execution logs
- Electronic tenders, contracts, and reports (e-contracting system under develop-ment)
- In the single system, the implementation process is visible: digital monitoring
- The completed facility is checked only by technically skilled specialists, not law en-forcement authorities
- Digital display of facility elements during operation
- Lack of formal warranty letters for the operation period
- Trust: real and «virtual» reduction of corruption
- Single electronic classifier of construction materials

Digital state expertise

Examples of digital design and expertise in other countries

- Denmark – Digital Building Regulations (online submission of BIM for oversight)
- Finland – KIRA-digi (state program for digitalization of construction)
- United Kingdom – Digital Built Britain (BIM standards for public procurement)
- Singapore – CORENET-X (submission of BIM models for expertise)

Explanation of the mechanism

- Transition from paper and PDF documents to full verification of BIM models and cost estimation data
- Integration of geometry, attributes, estimates, and graphics into a unified digital environment
- Automatic compliance check with regulations and standards

Implementation in Ukraine

- Digital construction expertise can be quickly implemented through BIM modeling within the DREAM system
- Project verification against national and international standards, training specialists, and further efficiency analysis as part of the digital project, supported by the adaptation of best global practices

PROJECT ASSESSMENT FOR COMMUNITIES

16 June 2025 — a Memorandum was signed between the Restoration Agency and POLARIS

- Nine communities from six frontline regions of Ukraine provided data on infrastructure projects
- 28 projects in the field of water supply and wastewater management were analyzed
- The Restoration Agency's Expert Council was involved in the project assessment
- Additional support was provided by UNDP technical consultants
- A set of project assessment criteria was developed and is being used to determine the level of a community's capacity and its potential for further financing

Role of the Restoration Agency
Not only supporting communities throughout the project submission process, but also providing expert support, technical analysis, and preparation for the potential attraction of financing for the implementation of critically important infrastructure solutions in Ukraine's frontline regions

Polaris NEFCO

SALAR International
У складі Шведської Асоціації місцевих влад і регіонів

Швеція Sverige

UNDP

Sida
SWEDISH INTERNATIONAL DEVELOPMENT COOPERATION AGENCY

PRIORITIZED PUBLIC–PRIVATE PARTNERSHIP PROJECTS IN THE ROAD SECTOR

With potential partner support

1. Construction of combined heat and power plants (CHPs) using RDF fuel (pre-feasibility studies for Zhytomyr and Khmelnytskyi)

2. Construction of a rehabilitation center (Zhytomyr)

3. Construction of water pipelines for six communities (Odesa, Dnipropetrovsk, Vinnytsia, and Poltava regions)

4. Modernization of the Kovel–Yahodyn highway

European Bank for Reconstruction and Development

IFC International Finance Corporation WORLD BANK GROUP

PUBLIC INVESTMENTS

Ten programs were developed and submitted within the framework of the PIM reform

- Construction of CHPs using RDF fuel
- Expansion of the comprehensive restoration project (an additional 15 settlements)
- Development of a network of modular underground shelters
- Construction of a second level of protection for critical infrastructure facilities
- Creation of adaptive modular water treatment solutions
- Construction of urban parks
- Development of border infrastructure along the borders with the EU and the Republic of Moldova
- Development of the national road network
- Construction and expansion of the network of Weigh-in-Motion (WIM) complexes

21 Projects were developed and submitted to the Unified State Recovery Plan (USR)

- 5 projects in the water sector
- 11 projects in the road sector
- 5 projects in the border crossing infrastructure sector

European Bank for Reconstruction and Development

European Investment Bank

THE WORLD BANK

UK Export Finance

A Memorandum was signed with the World Bank and the Agency for Public–Private Partnership on the M15 project included in the State Project Preparation Facility (PPF)

- Reconstruction of a 300 km section of the M-15 road
- Comprises 40 individual projects
- One of Ukraine's first PPF projects
- Supported by the World Bank through the PREPARE project
- A comprehensive approach to infrastructure recovery
- An integrated solution for southern Ukraine (Odesa–Reni)

THE WORLD BANK

European Investment Bank

A DREAM project assessment concept based on the "Five Case Model" was developed and implemented

- Categorization of projects by sector
- Prioritization by dimensions (strategic, economic, social, financial)
- Assessment (critical, short-term, medium-term, long-term)

British Embassy Kyiv

INTERNATIONAL COOPERATION

MAJOR PARTNERS AMONG IFIS AND ITP

THE WORLD BANK

European Investment Bank

European Bank for Reconstruction and Development

JICA

- Project portfolio value: **EUR 1.8 billion**
- Total number of projects with IFIs: **11**
- Total number of agreements: **21**
- Loan agreements: **7**
- Investment grants: **9**
- Technical assistance: **4**
- In 2025, **17 Memoranda** of Cooperation were signed with international donors
- Project geography: **18 regions** of the country covered

KEY AREAS OF DONOR SUPPORT

65%
road infrastructure

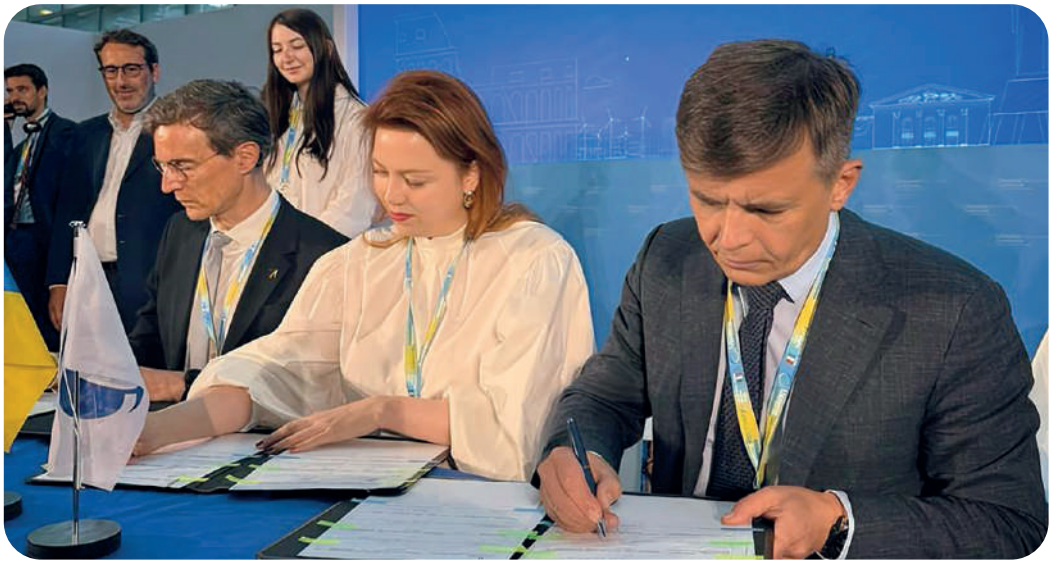
25%
bridge and road infrastructure

5.2%
access roads to border crossing points

3.7%
border crossing infrastructure

1%
housing and utilities sector and IT

1.9%
“soft” projects (institutional support, training, advisory services)



MODERNIZATION OF BORDER CROSSING POINTS

28 Border Crossing Points (BCPs) under Agency management

In 2025, a border crossing point (BCP) was constructed at the Ukrainian border with Hungary Velyka Palad – Nagygodos (impact: relieving pressure on other border crossing points and providing an additional route for approximately 200 passenger vehicles and 600 pedestrians daily).
Construction is ongoing for a new international border crossing point "Bila Tserkva (Ukraine) – Sighetu Marmatiei (Romania)", including access roads and a border bridge across the Tysa River. This year, we plan to complete and commission the first phase of construction.

PLAN
Modernization of 36 border crossing points and construction of 17 new border crossing points by 2028, with a budget of UAH 14.8 billion, to increase border crossing capacity by 29% and reduce border crossing time.

To be completed in December 2025 and partially in 2026

- Major overhaul of the BCPs "Malyi Bereznyi – Ublya" and "Solotvyno – Sighetu Marmatiei"
- Commissioning of Phase I of the service area (3 ha) in front of the "Yahodyn – Dorohusk" BCP
- Commissioning of Phase I of the reconstruction of the "Luzhanka – Beregsurany" BCP
- Commissioning of Phase I of the reconstruction of the "Porubne – Siret" BCP (construction of the freight section)
- Works on the service area in front of the "Reni – Giurgiulesti" BCP

Key Achievements

The Strategy for the Development of Border Infrastructure with the EU and Moldova until 2030 was developed and approved (Resolution No. 1337-r).
A unified concept for the arrangement of BCPs was introduced and methodological guidelines for service areas were prepared.
Joint projects with the European Commission are being implemented in five regions of Ukraine.

Cooperation with International Financial Partners
The Agency is actively mobilizing financing for priority border infrastructure projects. The European Investment Bank (EIB) is considering the provision of EUR 200 million for the modernization of border crossing points. Consultations are ongoing with the European Commission regarding the inclusion of facilities in the financing plan for 2027.

MODULAR SOLUTIONS: BORDER CROSSING POINTS

CAPITAL CONSTRUCTION

1.8 UAH bn

According to the assessment of the Strategy for the Development and Construction of Border Infrastructure for 2023–2030

MODULAR SOLUTION

300 UAH mln

SAVINGS

1.5 UAH bn

By the end of 2025, the Restoration Agency will modernize 10 smaller border crossing points with low capacity using modular technology.

A modular border crossing point is a fully fledged infrastructure facility that is built at a cost 5–6 times lower than a conventional capital facility, while providing the same functions: inspection, clearance procedures, sanitary zones, engineering networks, and staff facilities. It complies with the requirements of future accession to the EU, including the standards of the Schengen Borders Code.

Speed
installation and site improvement take one month

Cost efficiency
UAH 20 million instead of UAH 100 million

Upgrading includes
- road surface and canopies
- service premises and sanitary infrastructure

Looking ahead
Following Ukraine's accession to the EU, the modules may be transferred to the State Emergency Service of Ukraine (SES) or to military units for use as field offices or temporary humanitarian hubs

"KELMENTSI – LARGA" BCP (BORDER WITH THE REPUBLIC OF MOLDOVA)

- Tender held **in July 2025**
- Works completed **in late August**
- **Average daily capacity:** 190 vehicles and 120 pedestrians per day
- **Cost:** UAH 19.3 million

Ministry for Development of Communities and Territories of Ukraine

SARDI

MODULAR SOLUTIONS: UNDERGROUND SHELTERS

CAPITAL CONSTRUCTION

1.3 EUR mln

typical UNICEF project

MODULAR SHELTER

0.22 EUR mln

SAVINGS

1.1 EUR mln

The first underground modular shelter was installed in Borodianka, Kyiv region

THE RESTORATION AGENCY PLANS TO SCALE UP THIS MODEL ACROSS UKRAINE

240

frontline communities

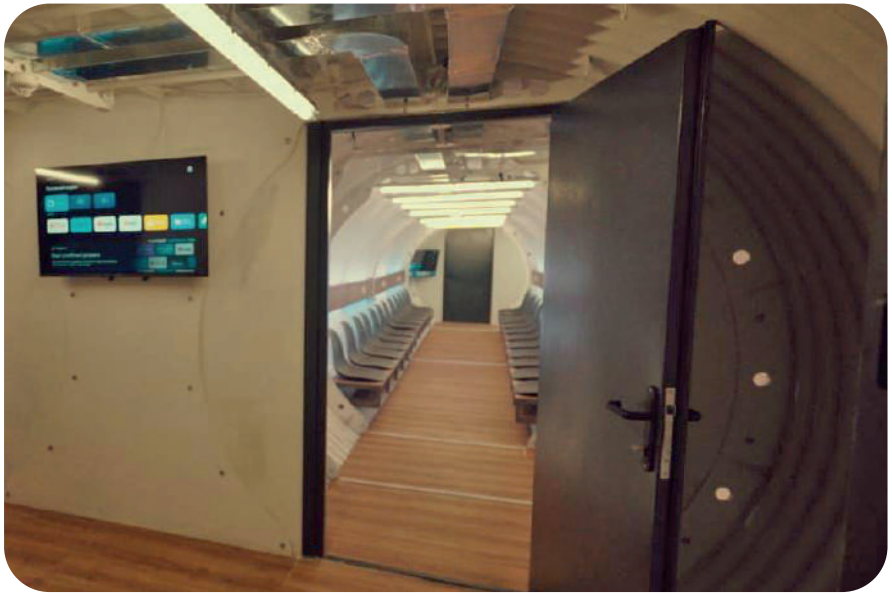
4800

shelters (up to 20 units per community)

The Citadel underground steel bunker model was developed by the Metinvest Group in partnership with the Restoration Agency, with the support of the Ministry for Development of Communities and Territories of Ukraine. The project concept was presented in summer 2025 at the Ukraine Recovery Conference (URC) in Rome.

The shelters are cylindrical structures installed underground to a depth of up to 5 meters in courtyards or adjacent to buildings.

The shelter installed in Borodianka is designed to accommodate 48 people comfortably and is equipped with two protected exits, toilets, autonomous power supply, water supply, heating, and ventilation systems.



COMPREHENSIVE RECOVERY CONCEPT

A Comprehensive Recovery Concept for settlements has been developed, using Borodianka as a pilot case

CRITERIA FOR COMPREHENSIVE RECOVERY IN UKRAINE

- Over 50% of facilities destroyed or damaged
- Decrease in population by over 30%
- Location within a zone close to the line of combat (up to 100 km)
- New construction of a settlement to replace one temporarily under occupation
- New construction of a settlement to provide workforce for new strategically important enterprises (10,000 jobs)

WHAT IS COMPREHENSIVE RECOVERY?

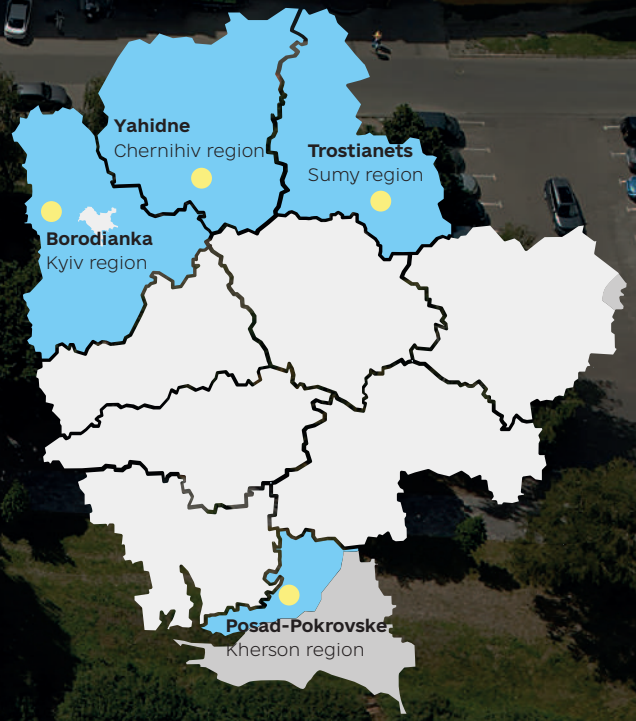
- systemic approach to restoration
- a set of technical and social solutions
- a network of interconnected processes, a set of tools

GOAL

- improvement of population's quality of life
- gaining community competitiveness
- return of people to communities
- community resilience and security in the future

Restoration of towns and villages

Borodianka | Posad-Pokrovske | Yahidne | Trostianets



Implementation of Innovative Approaches

Ensuring energy efficiency, inclusiveness, and care for the environment

From warm homes powered by alternative energy sources to modern water networks with treatment facilities, changes in household waste management practices, and an increased level of comfort and safety for people

Фундація Олени Зеленської · GEM Global Empowerment Mission Ukraine · project HOPE · Міністерство у справах ветеранів України · UNDP · NEFCO

Infrastructure projects

BORODIANKA

In early 2022, Borodianka was one of the most severely affected settlements in the Kyiv region. At that time, nearly **80% of residential and utility infrastructure** was destroyed or damaged.

Today, thanks to the joint efforts of the Ukrainian Government, the Restoration Agency, and international partners, the town is actively coming back to life. Residential neighborhoods are being restored, utility networks are being modernized, barrier-free routes are being created, a modern Administrative Service Center (CNAP) is operating, and youth spaces and new services for residents are emerging.

825

facilities destroyed or damaged
(744 – housing)

600

facilities restored
(584 – housing)

Restoration in line with EU standards

- Water supply and sewage
- Public transport system
- Roads and road infrastructure
- Household and industrial waste management
- Heat, energy, and gas supply
- Jobs and industry
- Digital solutions: “Smart City” system
- Housing
- Medical infrastructure
- Culture and sports
- Educational infrastructure
- Security
- Landscaping and greening
- Telecommunications and internet

YAHIDNE

In March 2022, the village of Yahidne in the Chernihiv region was under temporary occupation by Russian forces. During the occupation, the residential housing stock of the settlement and all social infrastructure facilities were severely damaged.

Since 2023, the Restoration Agency has been working on comprehensive recovery of the settlement. In addition to housing restoration, the project includes repairs to the road network, construction of a public building with a shelter, development of a drinking water well, and the establishment of a memorial.

HOUSING RESTORATION

187
facilities **destroyed or damaged**

76
houses restored

96
facilities being restored by the Restoration Agency

359
The village is being restored for 359 residents

STREET AND ROAD NETWORK CONSTRUCTION

- restoration of the roadway
- construction of pedestrian zones
- repair of damaged sections
- installation of a street LED lighting network with solar panels
- green areas for 12 kilometers of streets

TROSTIANETS

Trostianets, located in the Sumy region, is a city 30 km from the border with Russia that remained under occupation for one month in 2022 and suffered extensive destruction. The damage caused during the occupation was severe: water supply, sewerage systems, lighting, and roads were all destroyed

RESTORED

- **Two multi-apartment residential buildings with 60 and 30 apartments.** Readiness: 97%. Major construction works were completed in 2024. In 2025, the projects were adapted to meet the needs of residents. Completion is scheduled for December 2025
- **Trostianets City Hospital.** Readiness: 96%. The inpatient department was completed in 2024. Thermal modernization of the pediatric and outpatient departments has been carried out. Completion is scheduled for December 2025
- **Sumy–Poltava highway (km 60+620 – km 62+900).** Readiness: 83%. Installation of lighting is ongoing. Completion is scheduled for December 2025
- **40th Army Square:** a key urban public space. The project is divided into two phases

PHASE I
(by the end of 2025)

Execution of works on the demolition of destroyed buildings, construction of access roads to the railway station, and installation of part of the external utility networks

PHASE II
(by the end of 2026)

Restoration of commercial facilities (22 owners of damaged properties), construction of a shopping and entertainment center with a dual-use shelter (PRU), paving of the square itself, landscaping, and related works

- **Urban park.** Area: 1 hectare.

Sports facilities: street basketball, volleyball, football.
Children's playgrounds and an event space.
Green and quiet zones, board games

POSAD-POKROVSKE

Reconstruction in Posad-Pokrovske began in November 2023. The Agency is simultaneously implementing several large-scale initiatives. 96 houses are undergoing major repairs, while 263 houses are being built entirely from scratch

80%
of facilities **destroyed**

391
facilities **scheduled for restoration**

PHASE I OF RECONSTRUCTION

- **96 houses** — major repairs (80 under construction)
- **263 houses** — built from scratch (227 under construction)
- **Engineering networks** (water, gas, and electricity supply)
- **21 streets** (13 under construction)
- **Outpatient clinic**
- **Safety Center**

PHASE II OF RECONSTRUCTION

- **Kindergarten–Gymnasium**
- **Community Center**
- **Central Square**
- **Extreme Park**
- **Solar power plant** (SPP) with a capacity of 2 MW
- **238 houses** built from scratch

IMPLEMENTED

59
households received compensation under the eVidnovlennia program

37
households were renovated with funding from international funds

Kindergarten and core gymnasium project

Kindergarten and core gymnasium project

Safety center project

Ambulatory project

WATER SUPPLY FOR COMMUNITIES

Feasibility studies for community water supply were developed in four Ukrainian regions. New and upgraded water pipelines will provide drinking water to more than 180,000 people in 127 settlements. Financing is being provided using part of the funds saved during the construction of the Mykolaiv water pipeline

Vinnytsia region

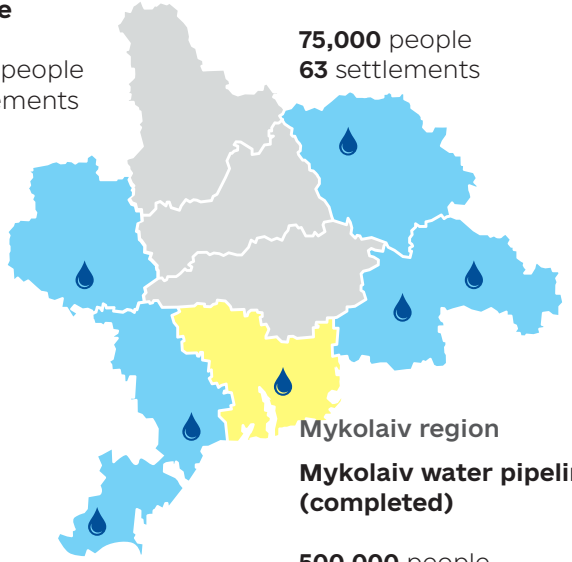
Vapniarka water pipeline

10,000 people
6 settlements

Poltava region

Lubny water pipeline

75,000 people
63 settlements



Mykolaiv region

Mykolaiv water pipeline (completed)

500,000 people

Odesa region

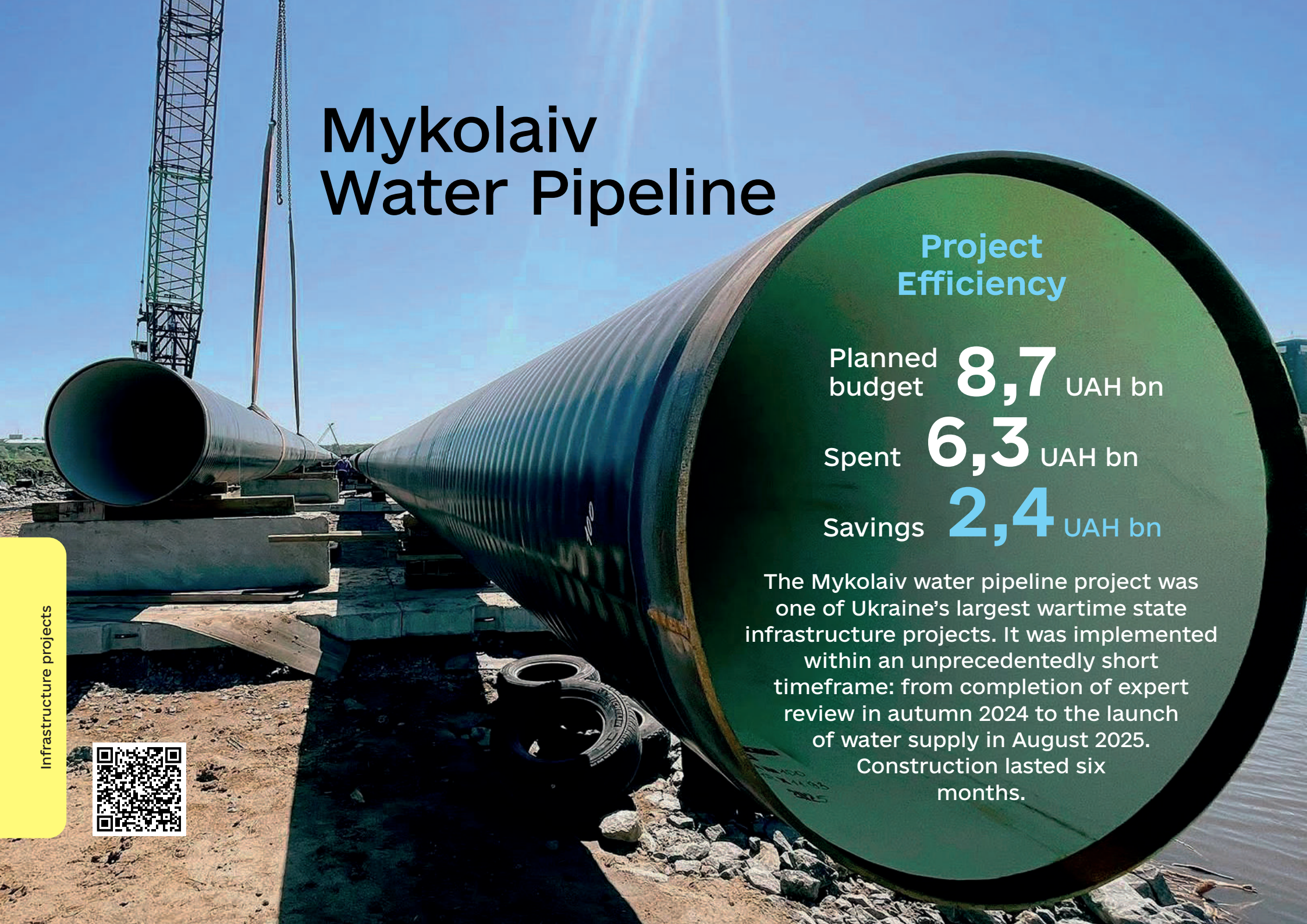
Bolhrad and Suvorov pipelines

64,000 people
28 settlements

Dnipropetrovsk region

Water pipelines for Tomakivka and Myrove communities

30,000 people
50 settlements



Mykolaiv Water Pipeline

Project Efficiency

Planned budget **8,7** UAH bn

Spent **6,3** UAH bn

Savings **2,4** UAH bn

The Mykolaiv water pipeline project was one of Ukraine's largest wartime state infrastructure projects. It was implemented within an unprecedentedly short timeframe: from completion of expert review in autumn 2024 to the launch of water supply in August 2025. Construction lasted six months.

Ministry for Development of Communities and Territories of Ukraine

SARDI

The water pipeline that supplied Mykolaiv with drinking water from the Dnipro River was destroyed by Russia in April 2022. Since then, half a million residents of Mykolaiv received drinking water for almost three years through 250 water distribution points and mobile water tankers.

In 2024, UAH 8.7 billion was allocated from the state budget for the construction of a new water intake system from the Southern Buh River. Thanks to the optimization of technical solutions proposed by the Restoration Agency, the cost of project implementation was reduced by **27.6% to UAH 6.3 billion**

The total length of the new water pipeline is **136 km** (two lines of 67.9 km each)

The infrastructure is protected against shelling: cables are laid underground, shelters for personnel are provided, backup generators are installed, and modern equipment is in place

The project was implemented at a cost **27.6%** lower than initially planned: part of the savings were allocated to the construction of a preliminary wastewater treatment station and new wastewater treatment facilities in Mykolaiv

The water pipeline operates continuously, supplying **120,000 m³** of water per day for the population and **50,000 m³** per day for irrigation

Ukrainian Prime Minister Yuliia Svyrydenko, Deputy Prime Minister for the Reconstruction of Ukraine Oleksii Kuleba, and Head of the Restoration Agency Serhii Sukhomlyn during the inspection of the new water pipeline supplying Mykolaiv

Restoring Water Supply in Mykolaiv (2022–2025)

April 12, 2022

Russia destroyed the main Dnipro–Mykolaiv water pipeline, sparking a humanitarian crisis.

April–May 2022

Technical saline water in the distribution network. Drinking water supplied through 250 distribution points and mobile water tankers

Summer–Autumn 2022

Repair of the old route was impossible
→ a decision was made to construct a new water pipeline

2023

Design of the new water pipeline. Search for and mobilization of international financing

Autumn 2024

Following an expert review, t**he project cost was reduced by 27,6%.** This made it possible to include new components:

- preliminary treatment station
- wastewater treatment facilities
- backup power supply
- generators and shelters
- solar power plant (SPP)

February 2024 – August 2025

Construction of the new water pipeline:

- 69 km of pipelines laid in two lines
- new pumping stations
- backup power supply
- generators → 120,000 m^3/day for the population
- 50,000 m^3/day for irrigation

August 26, 2025

The first cubic meters of water from the Southern Buh reach Mykolaiv

October 7, 2025

Launch of the new water pipeline.
For the first time since 2022, Mykolaiv receives centralized fresh water

September – December 2025

Ongoing Works

1. Wastewater treatment facilities in Nova Odesa
Provide biological and mechanical wastewater treatment.
Capacity: 200 m^3/day
≈80% completion

2. Wastewater treatment facilities in Mykolaiv
Capacity: 120,000 m^3/day for the population and 50,000 m^3/day for agriculture
Completion: 70%

3. Installation of a solar power plant (SPP)
Capacity: 1.2 MW
90% of panels installed

Turnkey project: wastewater treatment → water pipeline and pumping stations → treated water

January – August 2025

Vitalii Lukov,
Deputy Mayor of Mykolaiv

“The amount of water supplied from the Southern Buh River will be sufficient for the entire population of Mykolaiv — more than 450,000 people.
The new treatment facilities set new standards. We will live according to these new standards. They can be called European, or simply universal human standards. Of course, they are higher than those we had before when it comes to water quality.
These treatment facilities will operate regardless of the source of water — whether it comes from the Southern Buh River or, in the future, from the Dnipro River”

Viktor, resident of Mykolaiv

“It has become much better. You can see it — this is simply different water”

Oleksandr Kolomiitsev,
Head of the Office for Restoration and Infrastructure Development in Dnipropetrovsk Region

“The key components of the water pipeline — pumping stations, networks, and all equipment — are located underground. The facility is embedded below ground level; all technical systems are protected by concrete structures and an additional layer of soil”

Modernization of water supply systems

The Mykolaiv water pipeline project was implemented at a cost 27.6% lower than the original estimate, resulting in savings of more than UAH 2.4 billion. These savings made it possible to finance the next stage — the construction of wastewater treatment facilities and water pipelines in other regions

New wastewater treatment facilities

Following the construction of the new water pipeline, the next stage was the construction of wastewater treatment facilities from scratch, which will make it possible to supply drinking water to Mykolaiv

FAST PACE
1. Start of works: September 2025
2. High-quality pre-treated water: January 2026
3. Completion of construction and full drinking water supply: Q1 2026

ADVANTAGES
- Automated system with minimal human involvement
- Electronic meters
- Automated laboratory for quality control and reagent dosing

Constructed using savings

860 UAH mln

Energy Efficiency

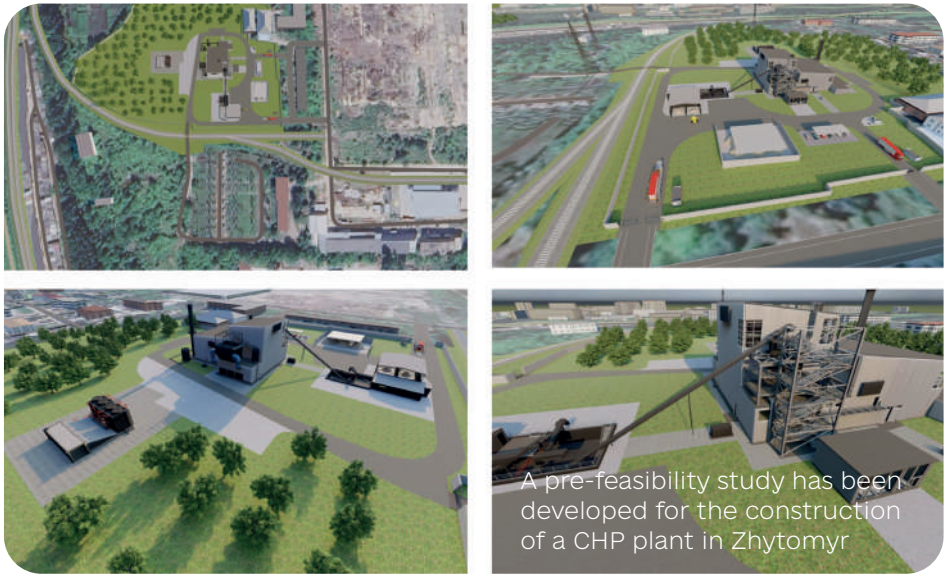
CONSTRUCTION OF RDF-FUELED CHPs

Six pre-feasibility studies have been conducted for the construction of combined heat and power (CHP) plants using RDF fuel in six cities. The city of Odesa has already signed a Memorandum with the Korean company POSCO

- **Seven Ukrainian cities:** Poltava, Odesa, Zhytomyr, Khmelnytskyi, Kropyvnytskyi, Chernivtsi, Cherkasy
- **stimulation of the construction** of waste processing plants
- total thermal capacity: **200 GWh per year**
- total waste processing volume: **800,000 tonnes per year**
- long-term need: **30 RDF-fueled CHP plants**

POSCO INTERNATIONAL

European Bank for Reconstruction and Development

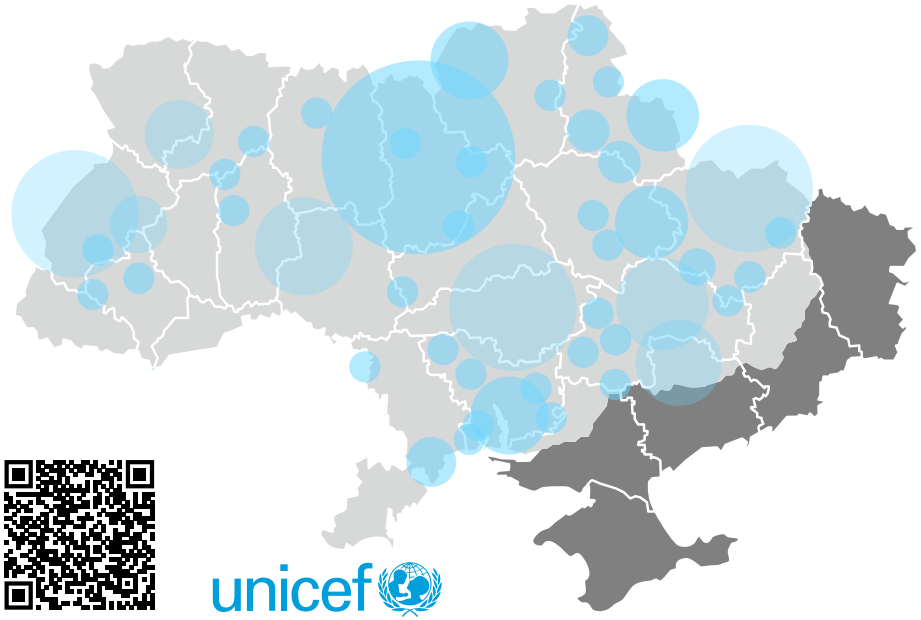


A pre-feasibility study has been developed for the construction of a CHP plant in Zhytomyr

SOLAR POWER PLANTS AT WATER UTILITY FACILITIES

Feasibility studies have been developed for 75 water utilities for the installation of solar power plants and modular wastewater treatment facilities

- **5 regions** of Ukraine
- **17 million** people
- **75 water utilities**
- Up to **10 solar power plants** per utility
- **145 MW** total installed capacity

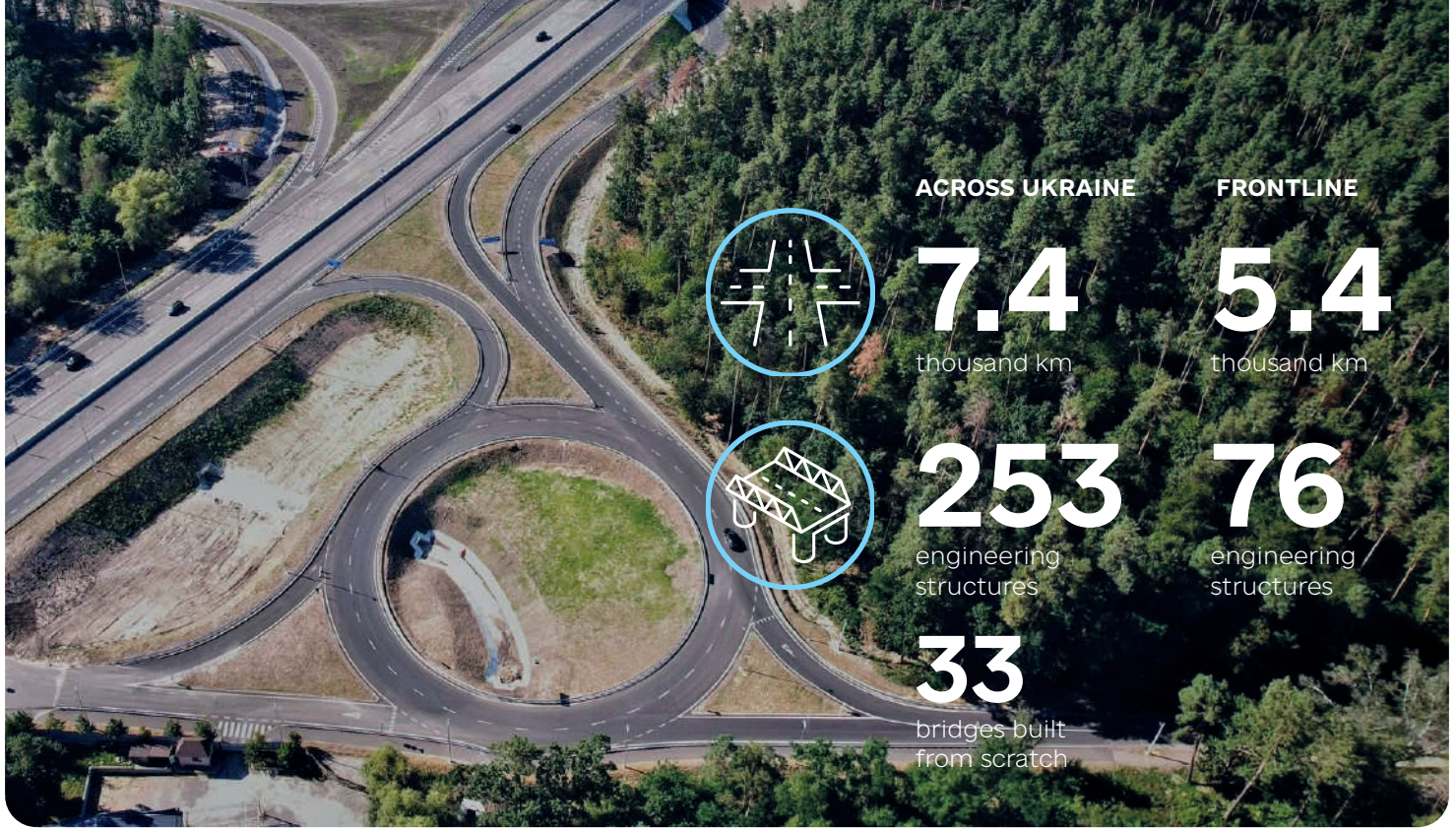


unicef

REPLACEMENT OF STREET LIGHTING WITH LED

Applications have been collected from communities

- **460 communities**
- **35 MW/year** of electricity savings
- **35,000 tonnes/year** reduction in CO_2 emissions



Road Infrastructure

IMPLEMENTATION OF WIM SYSTEMS

- **62** sites installed
- **24/7** traffic monitoring
- extended service life of road pavement
- automatic detection of violations
- **UAH 104 million** paid to the state budget in 2025

SAVINGS ALGORITHM

- **conditions:** limited financial resources
- **price analysis** conducted across regions (via HIPI)
- **current cost** of asphalt repairs per m² ranged from UAH 1,200 to UAH 2,400
- **optimal cost identified** (approximately UAH 1,200, depending on region and availability of materials)
- **offices renegotiated contracts**

SAVINGS

960 UAH mln

saved through contract renegotiation

2025 ROAD BUDGET FOR ROUTINE MAINTENANCE

12 UAH bn

+

5.4 UAH bn

additionally allocated to frontline regions

→ **70%**

allocated to frontline regions

Ensuring military logistics is the Agency's top priority today

NEW TECHNOLOGY

A pilot road section was constructed using an innovative technology in cooperation with Korean company POSCO

EcoSteelAscon Technology

- 20 years of proven performance in Korea
- Steelmaking slag instead of natural crushed stone
- Certified material
- High road strength
- Extended pavement durability
- Reduced logistics costs for southern and eastern regions of Ukraine

posco INTERNATIONAL

COST OF WAR

Direct damage to Ukraine's transport infrastructure caused by the Russian invasion is estimated at USD 38.5 billion. More than 26,000 km of roads have been destroyed, resulting in losses of USD 28.3 billion (KSE Institute, as of 1 November 2024).
At facilities where works were carried out by the Agency since the beginning of the war:

- **9** employees killed
- **14** were injured
- **More than 95** units of specialized equipment were damaged

PHYSICAL PROTECTION OF CRITICAL INFRASTRUCTURE FACILITIES

A Coordination Headquarters for the Physical Protection of Critical Infrastructure Facilities was established (Government decision dated 18 October 2025). 16 standard solutions for the construction of protective structures have been developed

DIRECT CONSTRUCTION OF PHYSICAL PROTECTION

- without unnecessary landscaping works

(which do not affect facility operations)

- contracts renegotiated
- reduction of construction costs
- cost savings achieved

SAVINGS

8.6 UAH bn

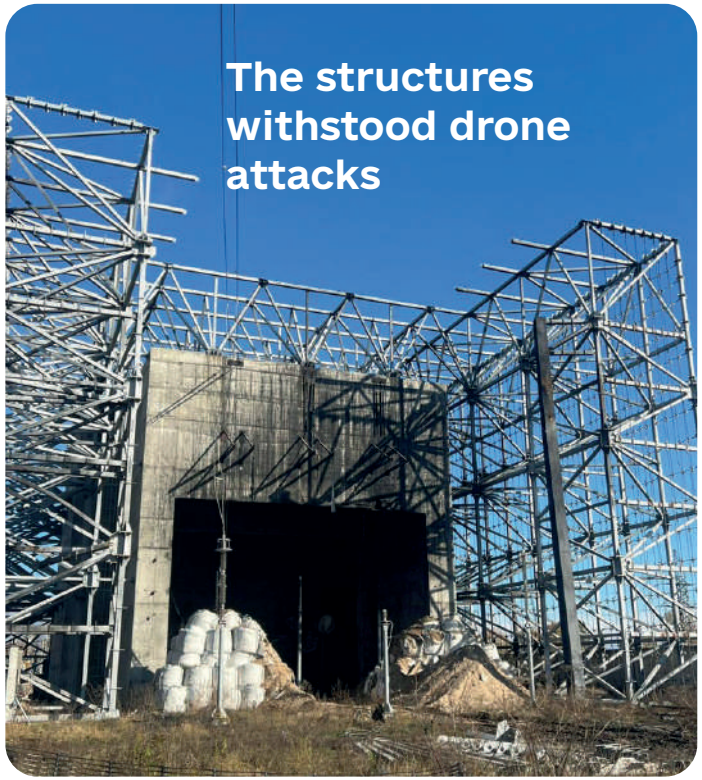
PHASE I

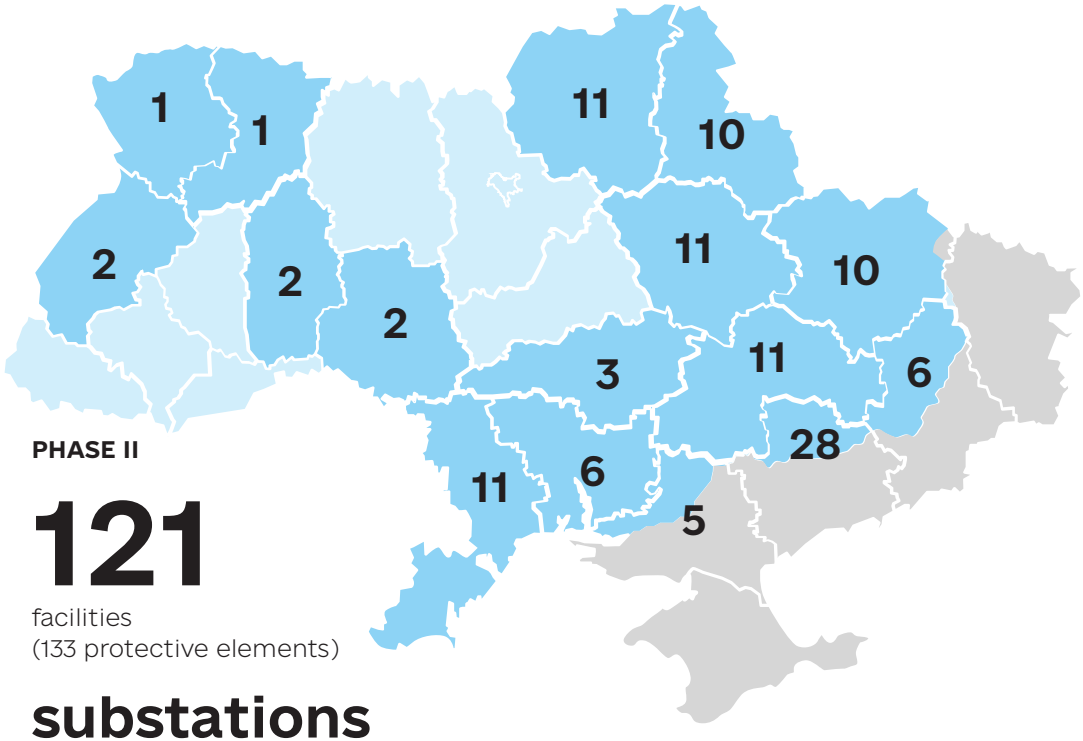
22

facilities
(46 protective elements)

substations

330 kV and 750 kV





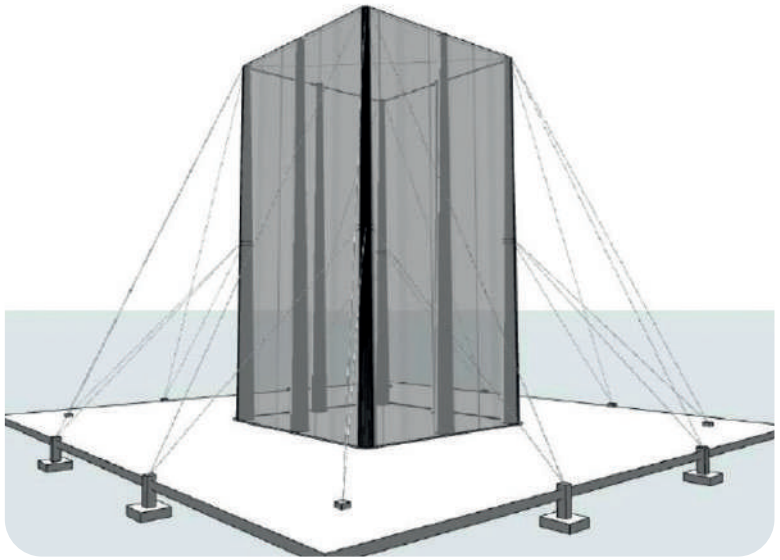
PHASE II

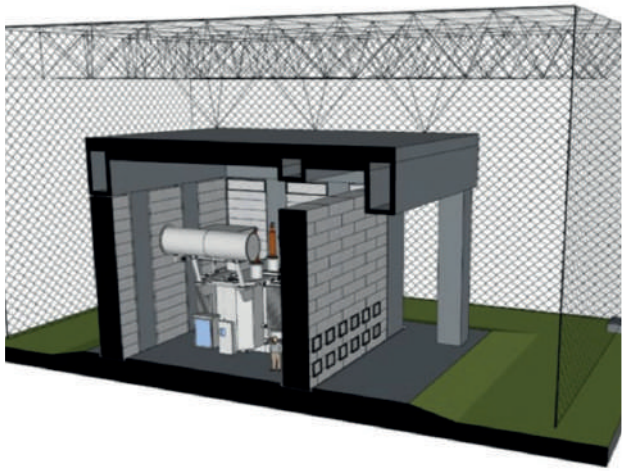
121

facilities
(133 protective elements)

substations

110 kV and 150 kV



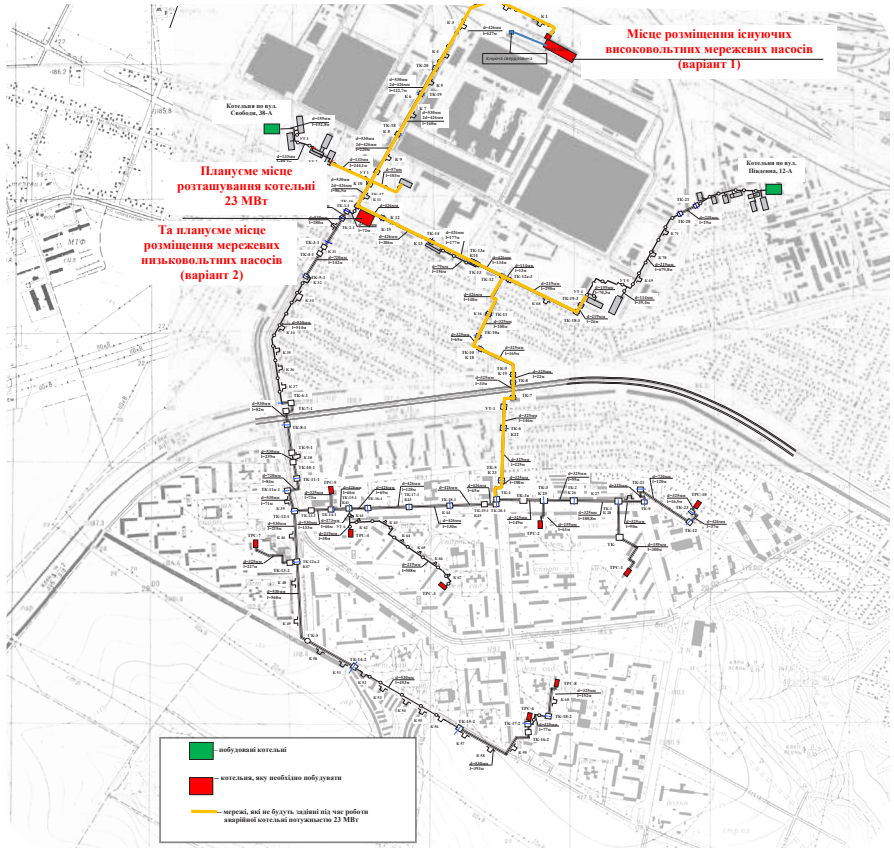


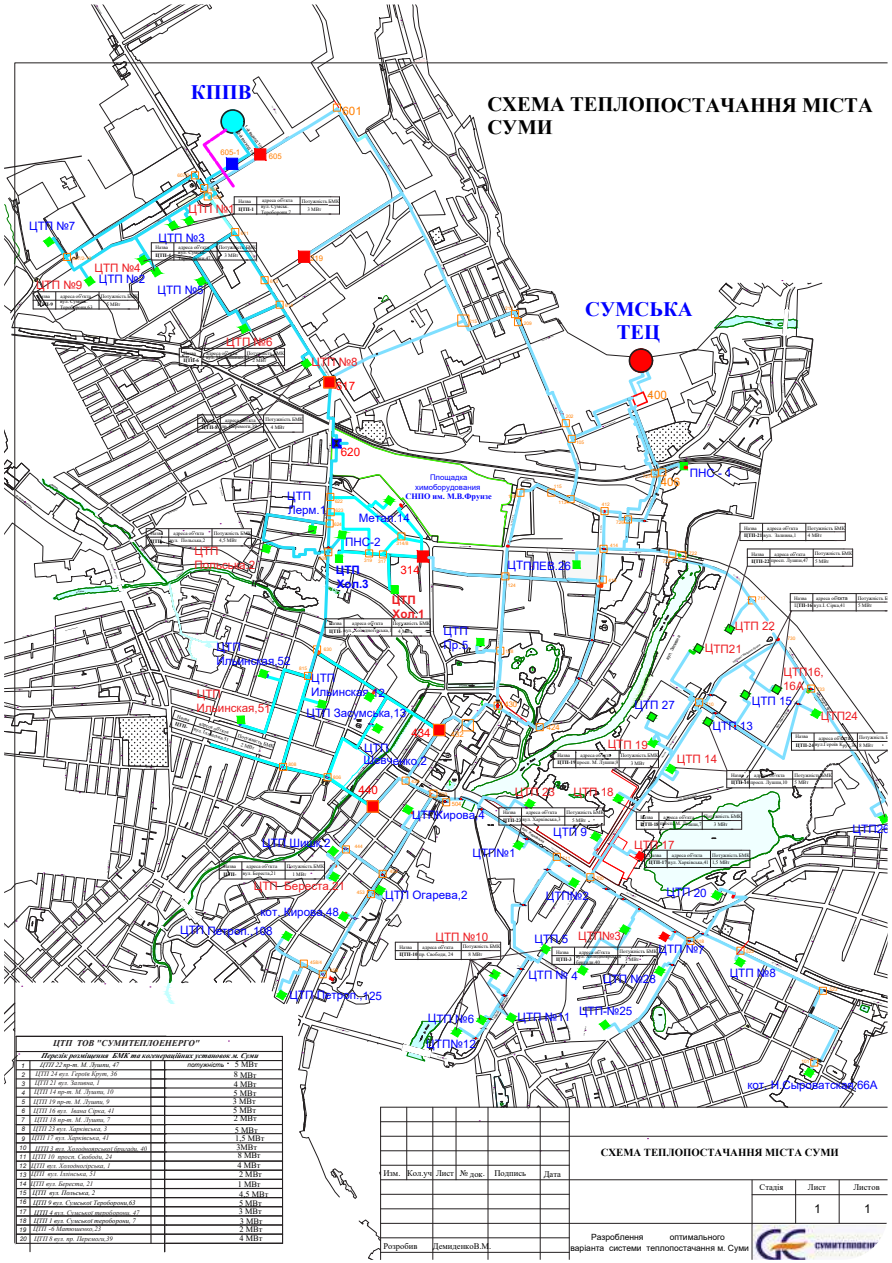
Support for the
provision of materials

DECENTRALIZATION OF GENERATION

A concept for decentralizing heating has been developed in **five Ukrainian cities:** Kharkiv, Sumy, Shostka, Okhtyrka, and Lozova

- Proactive approach
- Ensuring the city's viability in the event of damage to critical infrastructure



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Рішення щодо забезпечення зони покриття ТЕЦ-5
Зона забезпечення від ННЦ «ХФТІ»
Зона забезпечення від котельні "Павлове поле"
ТЕЦ-5


Існуючий пункт теплопостачання
м. Шостка, Сумська область
ГРУ
ЦТП №2
ГРП-9
Плануємо місце розташування котельні 33 МВт

RESTORATION AGENCY TEAM

SARDI

157
people in the central office

1000+
people in regional Offices and subordinate enterprises

We are working toward a shared goal – restoring infrastructure and creating efficient and transparent recovery processes

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